

# INTERNATIONAL SEARCH REPORT

In tional Application No  
PCT/GB2004/004748

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G06K9/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 139 269 A (NIPPON ELECTRIC CO) 4 October 2001 (2001-10-04) title; abstract; figure 1	1-3,5
X	WENYI ZHAO ET AL: "3D model enhanced face recognition" PROCEEDINGS OF THE 2000 INTERNATIONAL CONFERENCE ON IMAGE PROCESSING, vol. 3, 10 September 2000 (2000-09-10), - 13 September 2000 (2000-09-13) pages 50-53, XP010529400 cited in the application page 50, right-hand column, lines 6-17 page 51, left-hand column, lines 30-33 page 53, left-hand column, last line - right-hand column, line 2	1-9

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

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- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \* & \* document member of the same patent family

Date of the actual completion of the international search

6 January 2005

Date of mailing of the international search report

18/01/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Neubüser, B

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 2 380 383 A (NIPPON ELECTRIC CO) 2 April 2003 (2003-04-02) abstract; page 3, line 1 - page 6, line 4; figures 1,6,10,11	1-9
A	----- LIJUN YIN; MATT T. YOURST: "3D face recognition based on high-resolution 3D face modeling from frontal and profile views" WBMA 03, PROCEEDINGS OF THE 2003 ACM SIGMM WORKSHOP ON BIOMETRICS METHODS AND APPLICATIONS, 'Online! 8 January 2003 (2003-01-08), pages 1-8, XP002312608 NEW YORK, USA ISBN: 1-58113-779-6 Retrieved from the Internet: URL: <a href="http://doi.acm.org/10.1145/982507.982509">http://doi.acm.org/10.1145/982507.982509</a> > 'retrieved on 2005-01-03! abstract; sections: 1. Introduction, 2.3 Facial feature extraction;	
A	----- WENYI ZHAO ET AL: "Robust image based face recognition" PROCEEDINGS OF THE 2000 INTERNATIONAL CONFERENCE ON IMAGE PROCESSING, vol. 1, 10 September 2000 (2000-09-10), pages 41-44, XP010530545 the whole document	
A	----- WEN YI ZHAO ET AL: "SFS based view synthesis for robust face recognition" AUTOMATIC FACE AND GESTURE RECOGNITION, 2000. PROCEEDINGS. FOURTH IEEE INTERNATIONAL CONFERENCE ON GRENoble, FRANCE 28-30 MARCH 2000, LOS ALAMITOS, CA, USA, IEEE COMPUT. SOC, US, 28 March 2000 (2000-03-28), pages 285-292, XP010378273 ISBN: 0-7695-0580-5 the whole document	
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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>WEN YI ZHAO ET AL:  "ILLUMINATION-INSENSITIVE FACE RECOGNITION  USING SYMMETRIC SHAPE-FROM-SHADING"  PROCEEDINGS 2000 IEEE CONFERENCE ON  COMPUTER VISION AND PATTERN RECOGNITION.  CVPR 2000. HILTON HEAD ISLAND, SC, JUNE  13-15, 2000, PROCEEDINGS OF THE IEEE  COMPUTER CONFERENCE ON COMPUTER VISION AND  PATTERN RECOGNITION, LOS ALAMITOS, CA :  IEEE COMP. SO,  vol. VOL. 1 OF 2,  13 June 2000 (2000-06-13), pages 286-293,  XP001035605  ISBN: 0-7803-6527-5  the whole document</p>	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1139269	A	04-10-2001	EP 1139269 A2	04-10-2001
			JP 3528915 B2	24-05-2004
			JP 2001283222 A	12-10-2001
GB 2380383	A	02-04-2003	JP 2003058896 A	28-02-2003
			CA 2397237 A1	10-02-2003
			US 2003035098 A1	20-02-2003